

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--|------------------|---------|---------------------|
| S1 | 27 | (BODO.in. or ODENDALL.in.) and (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/08/26 10:42 |
| S2 | 68 | (BODO.in. or ODENDALL.in.) and (exhaust near3 gas) and (engine) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/08/26 10:50 |
| S3 | 27 | (BODO.in. or ODENDALL.in.) and (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/08/26 10:51 |
| S4 | 5 | (BODO.in. or ODENDALL.in.) and (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/08/26 10:52 |

EAST Search History

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|----|-------|---|--|----|----|---------------------|
| S5 | 5 | (BODO.in. or ODENDALL.in.) and (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and (model\$4) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/08/26 10:51 |
| S6 | 11802 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/08/26 10:51 |
| S7 | 1724 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and (model\$4) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/08/26 10:51 |
| S8 | 478 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/13 17:21 |

EAST Search History

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|-----|-----|--|--|----|----|---------------------|
| S9 | 108 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and (model\$4) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/17 09:48 |
| S10 | 27 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and ((NOx or "NO.sub.x" or Nitrogen) near4 (model\$4)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/08/26 10:55 |
| S11 | 59 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and (model\$4) and (optim\$4 or optimum) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/13 17:22 |
| S12 | 6 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and (model\$4) and ((optim\$4 or optimum) near4 (tim\$4 or switch\$4)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/08/26 11:14 |
| S13 | 0 | ("2006/0168942").URPN. | USPAT | OR | ON | 2006/08/26 11:13 |

EAST Search History

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|-----|----|--|--|----|----|---------------------|
| S14 | 40 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and ((optim\$4 or optimum) near4 (tim\$4 or switch\$4)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/17 09:38 |
| S15 | 41 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and ((optim\$4 or optimum) near4 (tim\$4 or switch\$4)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/17 09:44 |
| S16 | 6 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and (model\$4) and ((optim\$4 or optimum) near4 (tim\$4 or switch\$4)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/13 17:21 |
| S17 | 6 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and (model\$4) and ((optim\$4 or optimum) near4 (tim\$4 or switch\$4)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/13 17:23 |

EAST Search History

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|-----|-----|---|--|----|----|---------------------|
| S18 | 198 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and (optim\$4 or optimum) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/13 17:23 |
| S19 | 11 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and ((optim\$4 or optimum) near4 (switch\$4)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/13 17:23 |

EAST Search History

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|-----|----|--|--|----|----|---------------------|
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EAST Search History

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|-----|---|--|--|----|----|---------------------|
| S21 | 3 | ("20060185350" "6368711" "6428892" "6968679" "20040045278" "20060059895" "20060053781" "5026275" "5427525" "5586510" "5645951" "5715676" "5908023" "6253689" "5210702" "5401967" "5498872" "20060090454" "6013314" "3850569" "4302205" "4981089" "5182021" "5233160" "5363826" "5676071" "5755819" "5964820" "6338243" "6375735" "6379751" "6516607" "6876542" "20010014298" "20010042371" "20040203162" "20040205947" "20050177300" "20060011179" "4263264" "5845487" "5762838" "4246019" "4387079" "4461656" "4462788" "4602573" "4908192" "5285630" RE34655).pn. and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B | OR | ON | 2006/10/17 09:43 |
|-----|---|--|--|----|----|---------------------|

EAST Search History

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|-----|---|---|--|----|----|---------------------|
| S22 | 4 | <p>("20060185350" "6368711" "6428892" "6968679" "20040045278" "20060059895" "20060053781" "5026275" "5427525" "5586510" "5645951" "5715676" "5908023" "6253689" "5210702" "5401967" "5498872" "20060090454" "6013314" "3850569" "4302205" "4981089" "5182021" "5233160" "5363826" "5676071" "5755819" "5964820" "6338243" "6375735" "6379751" "6516607" "6876542" "20010014298" "20010042371" "20040203162" "20040205947" "20050177300" "20060011179" "4263264" "5845487" "5762838" "4246019" "4387079" "4461656" "4462788" "4602573" "4908192" "5285630" RE34655).pn. and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4 or control\$4 or operat\$4) near4 (rich and lean))</p> | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B | OR | ON | 2006/10/17 09:43 |
| S23 | 6 | <p>(exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and ((optim\$4 or optimum) near4 (tim\$4 or switch\$4)) and (model\$4)</p> | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TD B | OR | ON | 2006/10/17 09:47 |

EAST Search History

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|-----|----|--|---|----|----|---------------------|
| S24 | 6 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and ((optim\$4 or optimum) near4 (tim\$4 or switch\$4)) and (model\$4) | US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/17 09:47 |
| S25 | 9 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and (model\$4) and (instant\$4) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/17 10:01 |
| S26 | 23 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and (model\$4) and ((NOx or "NO.sub.x" or Nitrogen) near4 (model\$4)) and ((NOx or "NO.sub.x" or Nitrogen) near4 (sensor)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/17 10:02 |

EAST Search History

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|-----|----|--|--|----|----|---------------------|
| S27 | 15 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4) near4 (rich and lean)) and (model\$4) and ((NOx or "NO.sub.x" or Nitrogen) near4 (model\$4)) and ((NOx or "NO.sub.x" or Nitrogen) near4 (sensor) near4 (downstream or rear)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/17 11:48 |
| S28 | 49 | (exhaust near3 gas) and (engine) and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4 or control\$4 or operat\$4) near4 (rich and lean)) and (model\$4) and ((NOx or "NO.sub.x" or Nitrogen) near4 (model\$4)) and ((NOx or "NO.sub.x" or Nitrogen) near4 (sensor) near4 (downstream or rear)) | US-PGPU B; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TD B | OR | ON | 2006/10/17 11:48 |

EAST Search History

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| S29 | 68 | ("20010054284" "20020053200" "4526001" "5189876" "5201802" "5233830" "5251605" "5341642" "5357791" "5402641" "5410873" "5412945" "5423181" "5426934" "5433074" "5437153" "5448887" "5450722" "5450772" "5471836" "5472673" "5473887" "5473890" "5483795" "5540047" "5544482" "5577382" "5595060" "5693877" "5713199" "5715679" "5735120" "5740676" "5743084" "5746049" "5758491" "5758493" "5771686" "5778666" "5778667" "5822979" "5839275" "5845487" "5848529" "5894725" "5953907" "5956942" "5970707" "5974788" "6012282" "6016653" "6041591" "6041592" "6058700" "6082102" "6101809" "6116023" "6119449" "6148612" "6161378" "6167695" "6173568" "6178743" "6185929" "6199372" "6199373" "6289672" "6336320"). PN. | US-PGPU B; USPAT; USOCR | OR | ON | 2006/10/17 16:29 |
| S30 | 75 | ("2006/0185350" "5894725" "6148612" "6263668" "6347512" "6408615" "6463734" "6718756").URPN. | USPAT | OR | ON | 2006/10/17 16:29 |

EAST Search History

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|-----|-----|--|----------------------------------|----|----|---------------------|
| S31 | 141 | ("20010054284" "20020053200" "4526001" "5189876" "5201802" "5233830" "5251605" "5341642" "5357791" "5402641" "5410873" "5412945" "5423181" "5426934" "5433074" "5437153" "5448887" "5450722" "5450772" "5471836" "5472673" "5473887" "5473890" "5483795" "5540047" "5544482" "5577382" "5595060" "5693877" "5713199" "5715679" "5735120" "5740676" "5743084" "5746049" "5758491" "5758493" "5771686" "5778666" "5778667" "5822979" "5839275" "5845487" "5848529" "5894725" "5953907" "5956942" "5970707" "5974788" "6012282" "6016653" "6041591" "6041592" "6058700" "6082102" "6101809" "6116023" "6119449" "6148612" "6161378" "6167695" "6173568" "6178743" "6185929" "6199372" "6199373" "6289672" "6336320"). PN. OR ("2006/0185350" "5894725" "6148612" "6263668" "6347512" "6408615" "6463734" "6718756").URPN. | US-PGPU B; USPAT; USOCR | OR | ON | 2006/10/17 16:30 |
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EAST Search History

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|-----------------------|-----|--|---|----|----|---------------------|
| S32 | 120 | <p>("20010054284" "20020053200" "4526001" "5189876" "5201802" "5233830" "5251605" "5341642" "5357791" "5402641" "5410873" "5412945" "5423181" "5426934" "5433074" "5437153" "5448887" "5450722" "5450772" "5471836" "5472673" "5473887" "5473890" "5483795" "5540047" "5544482" "5577382" "5595060" "5693877" "5713199" "5715679" "5735120" "5740676" "5743084" "5746049" "5758491" "5758493" "5771686" "5778666" "5778667" "5822979" "5839275" "5845487" "5848529" "5894725" "5953907" "5956942" "5970707" "5974788" "6012282" "6016653" "6041591" "6041592" "6058700" "6082102" "6101809" "6116023" "6119449" "6148612" "6161378" "6167695" "6173568" "6178743" "6185929" "6199372" "6199373" "6289672" "6336320"). PN. OR ("2006/0185350" "5894725" "6148612" "6263668" "6347512" "6408615" "6463734" "6718756").URPN. and ((NOx or "NO.sub.x" or Nitrogen) near4 (trap or adsorb\$4 or absorb\$4 or cataly\$4)) and ((alternat\$4 or switch\$4 or control\$4 or operat\$4)</p> | US-PGPU B; USPAT; USOCR | OR | ON | 2006/10/17 16:30 |
| 10/26/2006 4:17:54 PM | | near4 (rich and lean)) | C:\Documents and Settings\btran\My Documents\EAST\Workspaces\10543110.wsp | | | Page 13 |

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|-----|----|--|----------------------------------|----|----|---------------------|
| S33 | 71 | <p>("20010054284" "20020053200" "4526001" "5189876" "5201802" "5233830" "5251605" "5341642" "5357791" "5402641" "5410873" "5412945" "5423181" "5426934" "5433074" "5437153" "5448887" "5450722" "5450772" "5471836" "5472673" "5473887" "5473890" "5483795" "5540047" "5544482" "5577382" "5595060" "5693877" "5713199" "5715679" "5735120" "5740676" "5743084" "5746049" "5758491" "5758493" "5771686" "5778666" "5778667" "5822979" "5839275" "5845487" "5848529" "5894725" "5953907" "5956942" "5970707" "5974788" "6012282" "6016653" "6041591" "6041592" "6058700" "6082102" "6101809" "6116023" "6119449" "6148612" "6161378" "6167695" "6173568" "6178743" "6185929" "6199372" "6199373" "6289672" "6336320"). PN. OR ("2006/0185350" "5894725" "6148612" "6263668" "6347512" "6408615" "6463734" "6718756").URPN. and ((NOx or "NO.sub.x" or Nitrogen) near4 (model\$4)) and ((NOx or "NO.sub.x" or Nitrogen) near4 (sensor) near4 (downstream or rear))</p> | US-PGPU B; USPAT; USOCR | OR | ON | 2006/10/17 16:30 |
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EAST Search History

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|-----|----|---|----------------------------------|----|----|---------------------|
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EAST Search History

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|-----------------------|---|--|----------------------------------|----|---------|---------------------|
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| 10/26/2006 4:17:54 PM | Nitrogen).near4 (sensor) C:\Documents and Settings\btran\My Documents\EAST\Workspaces\10543110.wsp near4 (downstream or | | | | Page 16 | |